

3/3

a) Layer 1

1011 ×	1001 ×	lm 0001	0011 ×
1010 ×	1000 ×	0000	• 0010 × Re
1110	1100 ×	0100	ontbrit ×
1111 ×	1101 ×	0101	9111

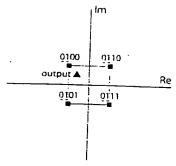
Receiver I estimates:

 $b_{u''} = -1, \ b_{u''} = +1$

 $b_{i,i'} = +1$

4-QAM constellation for Receiver 1

b) Layer 2



Receiver Lestimates:

$$h_{i,j''} = -1, \ \ h_{i,j''} = -1$$

■ 4-QAM constellation for Receiver 2

Fig. 5

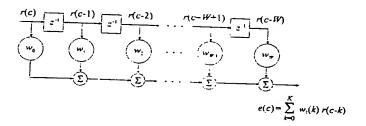


Fig.6

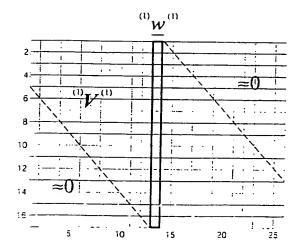


Fig. 7